

## CLAIM AMENDMENTS

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### Claim Amendment Summary

#### Claims pending

- Before this Amendment: Claims 1-70.
- After this Amendment: Claims 25-36; 66-68.

Canceled or Withdrawn claims: 1-24; 37-65; 69, and 70.

Amended claims: none.

New claims: none.

### Claims:

Claims 1-24 are CANCELED.

25. (ORIGINAL) A method facilitating protection of digital signals, the method comprising:

partitioning a digital signal into segments;

for one or more segments:

- calculating statistics of a segment that are representative of that segment;
- quantizing such statistics of a segment;

generating a marked signal approximately equivalent to a combination of the digital signal and the combination of the quantized statistics of the one or more segments.

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Serial No.: 09/843,279  
Any Docket No.: MS1-792US  
Preliminary Amendment

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atty: Kasey C. Christie

1  
2 26. (ORIGINAL) A method as recited in claim 25 further  
3 comprising normalizing amplitude of a digital signal, wherein such signal is an  
4 original, unmarked signal.

5  
6 27. (ORIGINAL) A method as recited in claim 25 further  
7 comprising transforming the signal.

8  
9 28. (ORIGINAL) A method as recited in claim 25, wherein the  
10 partitioning comprises pseudorandomly segmenting the signal.

11  
12 29. (ORIGINAL) A method as recited in claim 25, wherein the  
13 partitioning comprises pseudorandomly segmenting the signal, wherein such  
14 segments are adjacent and non-contiguous.

15  
16 30. (ORIGINAL) A method as recited in claim 25, wherein the  
17 statistics of the calculating comprises one or more finite order moments of a  
18 segment.

19  
20 31. (ORIGINAL) A method as recited in claim 25 further  
21 comprising determining a delta-sequence that is representative of the combination  
22 of the quantized statistics of the one or more segments.

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1           **32. (ORIGINAL)**   A method as recited in claim 25 further  
2 comprising determining a pseudorandom delta-sequence that when combined with  
3 the digital signal approximate a combination of the digital signal and the quantized  
4 statistics of the one or more segments.

5  
6           **33. (ORIGINAL)**   A method as recited in claim 25, wherein the  
7 generating comprises embedding a watermark via quantization index modulation  
8 (QIM).

9  
10          **34. (ORIGINAL)**   A modulated signal generated in accordance  
11 with the acts recited in claim 25.

12  
13          **35. (ORIGINAL)**   A computer-readable medium having computer-  
14 executable instructions that, when executed by a computer, performs the method  
15 as recited in claim 25.

16  
17          **36. (ORIGINAL)**   A computer comprising one or more computer-  
18 readable media having computer-executable instructions that, when executed by  
19 the computer, perform the method as recited in claim 25.

20  
21           **Claims 37-65 are CANCELED.**  
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1           66. A system for facilitating the protection of digital signals, the system  
2 comprising:

3           a partitioner configured to segment a digital signal;  
4           a segment-statistics calculator configured to calculate statistics of a segment  
5 that are representative of that segment;  
6           a segment quantizer configured to quantize such statistics of a segment  
7           a signal marker configured to generate a marked signal approximately  
8 equivalent to a combination of the digital signal and the combination of the  
9 quantized statistics of the one or more segments.

10  
11           67. A system as recited in claim 66, wherein the partitioner is further  
12 configured to pseudorandomly segment the signal.

13  
14           68. A system as recited in claim 66, wherein the partitioner is further  
15 configured to pseudorandomly segment the signal, wherein such segments are  
16 adjacent and non-contiguous.

17  
18           Claims 69 and 70 are CANCELED.  
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